

Fig. 1. Reversed-phase HPLC fractionation of total CNS myelin prot in.

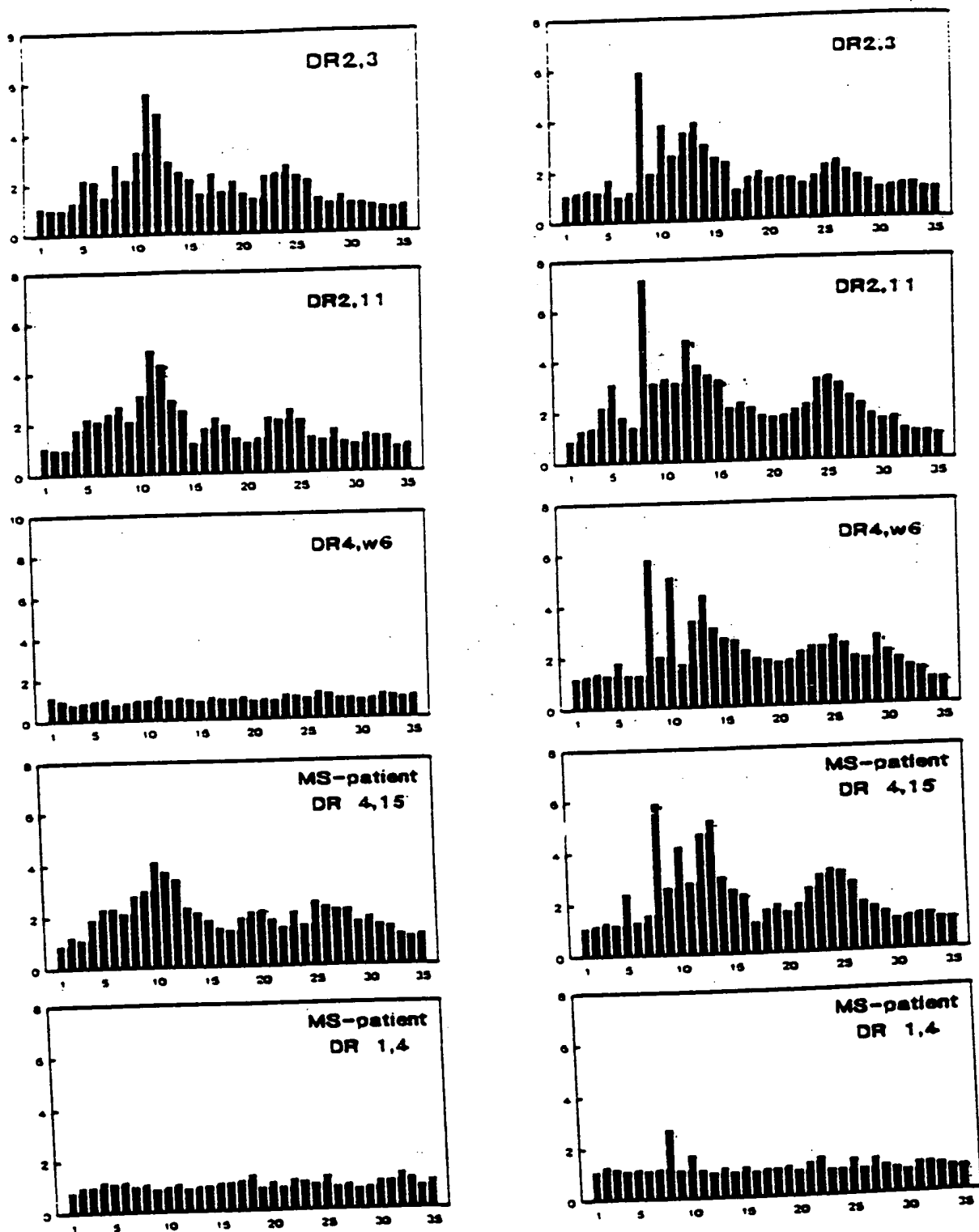


Fig. 2. Proliferative responses of human T cells to fractionated CNS myelin proteins, after a 2-wk priming with total myelin protein. The left series of panels illustrate responses to myelin proteins from control human brain; the right series to proteins from MS-affected brain. Alpha B crystallin is contained in fraction 8 of the HPLC fraction series.

3/3

Fig. 3. Amino acid sequence of human alpha B crystallin

1 MDIAIHHPWIRRPFFPFHSP 20
5
21 SRLFDQFFGEHLLESDLFPT 40
41 STSLSPFYLRPPSFLRAPSW 60
10 61 FDTGLSEMRLEKDRFSVNLN 80
81 VKHFSPEELKVKVLGDVIEV 100
101 HGKHEERQDEHGFISREFHR 120
15
121 KYRIPADVDP LAITSSLS SD 140
141 GVLTVNGPRKQVSGPERTIP 160
20 161 ITREEKPAVTAAPKK



Responses in lymph nodes

Responses in spleen

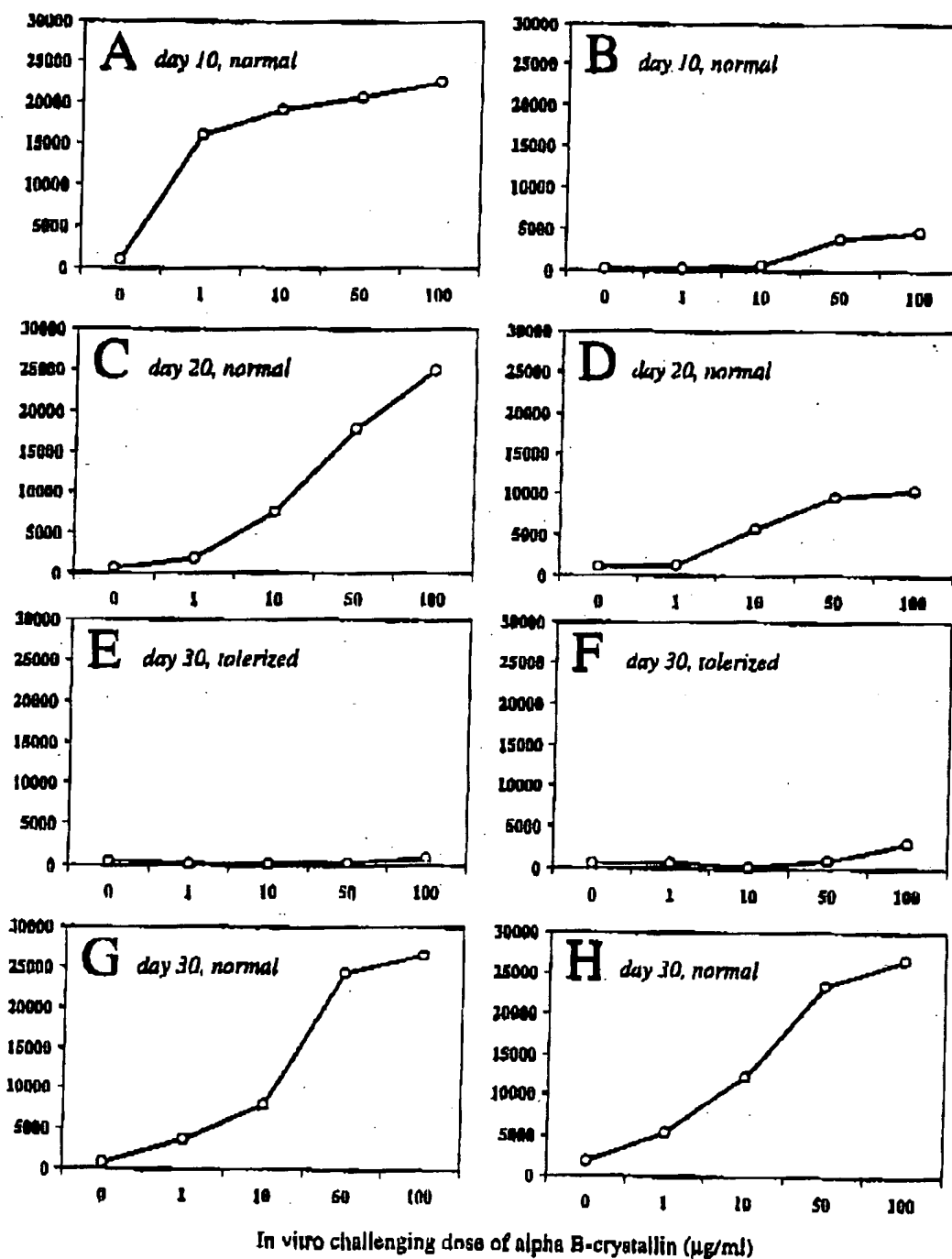


Fig. 4. Oral administration of alpha B-crystallin on days 20-24 following immunization strongly reduces an ongoing T-cell response to the antigen (responses are given in terms of incorporation of $[3H]$ -thymidine, expressed as counts per minute)